Dam Safety –Livestock Water Tank /Erosion Control Dam Data Dictionary

This document describes the Livestock Water Tank/Erosion Control Dam dataset in the Colorado Information Marketplace.

Livestock water tanks are covered under the "Livestock Water Tank Act of Colorado" sections 35-49-101 to 35-49-116, C.R.S. These structures include all reservoirs built after April 17, 1941, on watercourses which the state engineer has determined to be "normally dry" and having a capacity of not more than ten acre-feet and a vertical height not exceeding fifteen feet from the bottom of the channel to the bottom of the spillway. Again, as with erosion control dams, the height is measured from the lowest point of the upstream toe to the crest of the spillway. No livestock water tanks can be used for irrigation purposes.

Erosion control dams are governed under Colorado statute (see section 37-87-122, C.R.S. (1990). These types of structures may be constructed on water courses which have been determined by the state engineer to be normally dry (which for our purposes is dry more than 80% of the time). Structures of this type cannot exceed fifteen feet from the bottom of the channel to the bottom of the spillway and cannot exceed ten acre-feet at the emergency spillway level. The height of the dam is measured vertically from the lowest point of the upstream toe to the crest of the dam in contrast to those measured vertically from the centerline pursuant to section 37-87-105, C.R.S. (1990). Note: The structure can be larger than specified under section 37-87-122, however, it then will be evaluated and must be constructed pursuant to section 37-87-105.

Data Dictionary

Field Name	Description	Data Type	Display?
Receipt	Unique SEO Livestock Water Tank/Erosion Control identifier.	Text	Yes
Application Type	Type of Application.	Text	Yes
Title	Name of Tank or Erosion Control structure.	Text	Yes
Title No	Historic numbering convention typical year received and the sequential number indicating order of received.	Text	Yes
Applicant Name	Name of applicant submitting application.	Text	Yes
Application Date	Date application submitted.	Date	Yes
Completion Date	Date dam was completed.	Date	Yes
DIV	Division where the Dam is located.	Number	Yes
WD	Water District where the Dam is located.	Number	Yes

County	County where the Dam is located.	Text	Yes
PM	Principle Meridian.	Text	Yes
Township	Township	Text	Yes
Range	Range	Text	Yes
Section	Section	Number	Yes
Q160	160 acre quarter section indicator.	Text	Yes
Q40	40 acre quarter section indicator.	Text	Yes
UTM x	The x (Easting) component of the Universal Transverse Mercator system. (NAD83 datum)	Number	Yes
UTM y	The y (Northing) component of the Universal Transverse Mercator system. (NAD83 datum)	Number	Yes
Location Accuracy	Accuracy of UTM coordinates.	Text	Yes
Latdecdeg	Latitude (decimal degrees)	Number	Yes
Longdecdeg	Longitude (decimal degrees)	Number	Yes
Stream	Official name of the river or stream on which the dam is built. If the stream is unnamed, identify it as a tributary to a named river, e.g., Snake-TR. If the dam is located off stream, enter the name of the river or stream plus "-OS", e.g., Snake-OS.	Text	Yes
Dam Height	The height of the dam, in feet to the nearest foot, which is defined as the vertical distance between the lowest point on the crest of the dam and the lowest point in the original streambed.	Number	Yes
Drainage Area	The drainage area of the dam, in acres, which is defined as the area that drains to a particular point (in this case, the dam) on a river or stream.	Number	Yes
Tank Capacity	Approximate capacity of tank, in acre feet.	Number	Yes
Outlet Size	Diameter of outlet pipe, in inches.	Number	Yes

Outlet Type	Type of outlet pipe.	Text	Yes
Spillway Height	The height of the spillway of the dam, in feet to the nearest foot.	Number	Yes
Spillway Width	The width of the spillway of the dam, in feet to the nearest foot.	Number	Yes
More Information	Link to Dam Safety web page.	URL	Yes
Location	Latitude/Longitude where the Dam is located. Used in Marketplace for mapping.	Location	Yes
IDKey	Unique LSWTECD identifier	Text	No
Modified	Date record was last modified	Date	No